1. A circuit material comprising a layer of a dielectric liquid crystalline composite, the composite comprising

a liquid crystalline polymer;

particulate filler; and

a fibrous web, wherein the composite has a dielectric constant of less than about 3.8 at frequencies higher than or equal to 1 GHz, a dissipation factor of less than or equal to about 0.007, and a UL-94 rating of V-1 or better.

- 2. The circuit material of Claim 1, wherein the particulate filler comprises silica, polytetrafluoroethylene, or a combination of silica and polytetrafluoroethylene.
- 3. The circuit material of Claim 1, wherein the particulate filler is treated with an coupling agent.
- 4. The circuit material of Claim 1, wherein the composite further has a water absorption of less than about 0.1%.
- 5. The circuit material of Claim 1, further comprising a first conductive layer disposed on one side of the composite layer.
- 6. The circuit material of claim 5, wherein the first conductive layer is copper.

- 7. The circuit material of claim 5, further comprising a second conductive layer disposed on a side of the composite layer opposite the first conductive layer.
- 8. The circuit material of claim 5, wherein the second conductive layer is copper.
- 9. A circuit, comprising
 - a dielectric substrate layer, wherein the dielectric substrate comprises
 - a liquid crystalline polymer,
 - particulate filler, and
 - a fibrous web; and

a circuit layer disposed on the dielectric substrate layer, wherein the circuit, the circuit has a dielectric constant of less than about 3.8, a dissipation factor of less than about 0.0007 measured between 1 and 10 GHz, and a UL-94 rating of V-1 or better.

- 10. The circuit of claim 9, wherein the circuit layer is copper.
- 11. The circuit of claim 9, further comprising a conductive layer disposed on a side of the dielectric substrate opposite the first circuit layer.
- 12. The circuit of claim 11, wherein the conductive layer is copper.
- 13. The circuit of claim 8, wherein the conductive layer is patterned to form a second circuit layer.

14. A multi-layer circuit comprising:

a first circuit, the first circuit comprising a first dielectric substrate layer and a first circuit layer;

a second circuit, the second circuit comprising a second dielectric substrate layer and a second circuit layer; and

a bond ply disposed between the first dielectric substrate layer and the second circuit layer; wherein at least one of the first dielectric layer, the second dielectric layer, or the bond ply comprises a liquid crystalline polymer, a particulate filler, and a fibrous web; and further wherein the multi-layer circuit has a dielectric constant of less than about 3.8, a dissipation factor of less than or equal to about 0.007 measured between 1 and 10 GHz, and a UL-94 rating of V-1 or better.

- 15. The multi-layer circuit of claim 14, wherein the circuit layers are copper.
- 16. The multi-layer circuit of claim 14, further comprising a resin coated conductive layer comprising a first conductive layer disposed on a flowable dielectric material, wherein the flowable dielectric material is disposed on a side of the first conductive layer opposite the dielectric substrate.

17. A method for forming a dielectric liquid crystalline polymer composite, comprising: contacting a first liquid crystalline polymer layer comprising a dielectric particulate filler with a fibrous web; and

passing the fibrous web and the first liquid crystalline polymer layer between at least two rollers, wherein a first roller is in physical contact with the fibrous web, and a second roller is in physical contact with the first liquid crystalline polymer layer, and further wherein at least one roller is maintained at a temperature within 10°C of the melting point of the first crystalline polymer.

- 18. The method of Claim 17, wherein the first liquid crystalline polymer layer is formed by extrusion, casting, thermal spraying, or powder coating.
- 19. The method of Claim 17, wherein the fibrous web is pre-heated to a temperature of about 200°C to about 350°C.
- 20. The method of Claim 17, further comprising passing the composite through at least one set of additional rollers maintained at a temperature effective to provide the composite with increased X-Y dimensional stability.

- 21. The method of Claim 17, further comprising contacting the fibrous web with a second liquid crystalline polymer layer on a side opposite the first crystalline polymer layer, and passing the passing the fibrous web and the first and second liquid crystalline polymer layer between a second set of at least two rollers, wherein a first roller is in physical contact with the first liquid crystalline polymer layer, and a second roller is in physical contact with the second liquid crystalline polymer layer, and further wherein at least one roller of the second set of rollers is maintained at a temperature within 10°C of the melting point of the second crystalline polymer.
- A liquid crystalline composite, the composite comprisinga liquid crystalline polymer; andparticulate filler, wherein the particulate filler is treated with a coupling agent.
- 23. The composite of claim 22, wherein the coupling agent is a silane that bonds to the filler and to the liquid crystalline polymer.
- 22. A liquid crystalline composite having an improved z-axis coefficient of thermal expansion, the composite comprising

a liquid crystalline polymer; and

particulate filler, wherein the particulate filler comprises silica, polytetrafluoroethylene, or a combination of silica and polytetrafluoroethylene